PTO-1449 REPRODUCED

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

July 16, 2002

(Use several sheets if necessary)

ATTORNEY DOCKET NO.	APPLICATION NO.
3033.1002-004	10/050,692
APPLICANT: Darrell H. Carney, *et al.*	
FILING DATE: January 16, 2002	GROUP: ~~1645~~ 1647

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	5,352,664	10/04/94	Carney et al.	514	13	
	AB	5,500,412	03/19/96	Carney et al.	514	13	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	NO
	AL							
	AM							

OTHER DOCUMENTS ***(Including Author, Title, Date, Pertinent Pages, Etc.)***

	AR	Alden, T.D., et al., "The Use of Bone Morphogenetic Protein Gene Therapy in Craniofacial Bone Repair," *J. of Craniofacial Surgery* 11(1):24-30 (2000).
	AS	Lind, M., et al., "Osteogenic Protein 1 Device Stimulates Bone Healing to Hydroxyapaptite-Coated and Titanium Implants," *J. of Arthroplasty* 15(3):339-346 (2000).
	AT	Lee, Y.M., et al., "The Bone Regenerative Effect of Platelet-Derived Growth Factor-BB Delivered with a Chitosan/Tricalcium Phosphate Sponge Carrier," *J. of Periodontology* 71(3): 418-424 (2000).
	AU	Brager, M.A., et al., "Osteogenic Growth Peptide Normally Stimulated by Blood Loss and Marrow Ablation has Local and Systemic Effects on Fracture Healing in Rats," *J. of Orthopaedic Res.* 18(1):133-139 (2000).
	AV	Hong, L, et al., "Bone Regeneration at Rabbit Skull Defects Treated with Transforming Growth Factor-β1 Incorporated into Hydrogels with Different Levels of Biodegradability," *J. of Neurosurgery* 92(2):315-325 (2000).
	AW	Heckman, J.D., et al., "Bone Morphogenetic Protein But Not Transforming Growth Factor-β Enhances Bone Formation in Canine Diaphyseal Nonunions Implanted with a Biodegradable Composite Polymer," *J. of Bone & Joint Surgery* 81(12): 1717-1729 (1999).
	AX	Radomsky, M.L, et al., "Novel Formulation of Fibroblast Growth Factor-2 in a Hyaluronan Gel Accelerates Fracture Healing in Nonhuman Primates," *J. of Orthopaedic Res.* 17(4):607-614 (1999).
	AY	Boyan, B.D., et al., "Potential of Porous Poly-D,L-Lactide-Co-Glycolide Particles as a Carrier for Recombinant Human Bone Morphogenetic Protein-2 During Osteoinduction *In Vivo*," *J. of Bio. Materials Res.* 46(1):51-59 (1999).
	AZ	Kato, T., et al., "Single Local Injection of Recombinant Fibroblast Growth Factor-2 Stimulates Healing of Segmental Bone Defects in Rabbits," *J. of Orthopaedic Res.* 16(6):654-659 (1998).

EXAMINER: [signature] DATE CONSIDERED: 6/26/03

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

July 16, 2002

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ATTORNEY DOCKET NO.	APPLICATION NO.
3033.1002-004	10/050,692
APPLICANT: Darrell H. Carney, *et al.*	
FILING DATE: January 16, 2002	GROUP: 1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	NO

OTHER DOCUMENTS ***(Including Author, Title, Date, Pertinent Pages, Etc.)***

	AR2	Kirker-Head, C.A., et al., "Healing Bone Using Recombinant Human Bone Morphogenetic Protein 2 and Copolymer," *Clin. Orth. & Related Res.* 349:205-217 (1998).
	AS2	Kirker-Head, C.A., et al., "Long-Term Healing of Bone Using Recombinant Human Bone Morphogenetic Protein 2," *Clinical Orth.* 222-230 (1995).
	AT2	Carney, D.H., "Postclotting Cellular Effects of Thrombin Mediated by Interaction With High-Affinity Thrombin Receptors," in Thrombin: Structure and Function, ed. Lawrence J. Berliner. Plenum Press, New York, 351-396, 1992.
	AU2	Stiernberg, J., et al., "The Role of Thrombin and Thrombin Receptor Activating Peptide (TRAP-508) in Initiation of Tissue Repair," *Thrombosis & Haemostasis 70(1)*:158-162 (1995).
	AV2	Carney, D.H., et al., "Enhancement of Incisional Wound Healing and Neovascularization in Normal Rats by Thrombin and Synthetic Thrombin Receptor-Activating Peptides," *J. Clin. Invest.* 89:1469-1477 (1992).
	AW2	Carney, D.H., et al., "Role of High-Affinity Thrombin Receptors in Postclotting Cellular Effects of Thrombin," *Seminars in Thrombosis and Hemostasis* 18(1):91-102 (1992).
	AX2	Stiernberg, J., et al., "Acceleration of Full-Thickness Wound Healing in Normal Rats by the Synthetic Thrombin Peptide, TP508," *Wound Repair and Regeneration* 8(3):204-215 (2000).
	AY2	Glenn, K.C., et al., "Synthetic Peptides Bind to High-Affinity Thrombin Receptors and Modulate Thrombin Mitogenesis," *Peptide Res.* 1(2):65-73 (1998).
	AZ2	Sower, L.E., et al., "Thrombin Peptide, TP508, Induces Differential Gene Expression in Fibroblasts Through a Nonproteolytic Activation Pathway," *Exp. Cell Res.* 247:422-431 (1999).

EXAMINER: RMcKelvey

DATE CONSIDERED: 6/26/03

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

July 16, 2002

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ATTORNEY DOCKET NO.	APPLICATION NO.
3033.1002-004	10/050,692
APPLICANT: Darrell H. Carney, *et al.*	
FILING DATE: January 16, 2002	GROUP: 1645 ~~1647~~

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS ***(Including Author, Title, Date, Pertinent Pages, Etc.)***

RM	AR3	Crowther, R.S., et al., "Thrombin Peptide TP508 Significantly Accelerates Repair of Fresh Fractures," *Distributed at Texas Mineralized Tissue Society*, Austin, Texas. August 1998.
	AS3	Simmons, D.J., et al., "Acceleration of Rat Femoral Fracture Healing by a Synthetic Thrombin Peptide," *Calcium Metabolism: Comparative Endocrinology*. Proc Satellite Meeting, San Francisco, CA. Nov. 30, 1998. (Eds. C Dacke, J Danks, G Flik and C Gay). BioScientifica Ltd. Bradley Stoke, Bristol, UK. 1999.
RM	AT3	Yang *et al.*, "Accelerated Repair of Segmental Defects by a Synthetic Thrombin Peptide," Handout that was distributed at the Texas Mineralized Tissue Society Meeting, September, 1999.

EXAMINER R. M. Delsay DATE CONSIDERED 6/26/03

paper ND:8

PTO-1449 REPRODUCED

SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION

November 5, 2002

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ATTORNEY DOCKET NO.	APPLICATION NO.
3033.1002-004	10/050,692
APPLICANT	
Darrell H. Carney, *et al.*	
FILING DATE	**GROUP**
January 16, 2002	~~1645~~ 1647

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
KW	AC	5,876,452	03/02/99	Athanasiou et al.	623	16	
KW	AD	6,001,352	12/14/99	Boyan et al.	424	93.7	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
KW	AL	99/08728	25-FEB-99	PCT				
KW	AM	02/05836	24-JAN-02	PCT				
KW	AN	02/07748	31-JAN-02	PCT				

OTHER DOCUMENTS ***(Including Author, Title, Date, Pertinent Pages, Etc.)***

KW	AU3	Bi, L.X., *et al.*, "Thrombin Peptide TP508 Regulates BMP-2 and -7 Expression by Human Osteoblasts," *Journal of Bone and Mineral Research* 16(1):S261, (2001).
KW	AV3	Wang, H., *et al.*, "Effect of TP508, a thrombin-realted peptide, on Cbfal, VEGF, and collagen type II expression during femoral fracture healing," *Molecular Biology of the Cell* 2:243a, (2000).

EXAMINER	DATE CONSIDERED
Regina M Dolby	

paper No: 9